

CLAIMS

What is claimed is:

- 5 1. An information system, comprising:
 - a set of access subsystems each for use in accessing a persistent store in the information system in response to a client request;
 - transaction director that directs the client
- 10 10 request to the access subsystems in response to a set of client-side information associated with the client request.
2. The information system of claim 1, wherein the client-side information includes a set of information pertaining to a client that generated the client request.
- 15 3. The information system of claim 1, wherein the client-side information includes a set of information pertaining to a user that caused the client request.
- 20 4. The information system of claim 1, wherein the client-side information includes information pertaining to a history of prior interactions with the information system.
- 25 5. The information system of claim 1, wherein the client-side information includes a potential frequency of client requests from a client that generated the client request.
- 30 6. The information system of claim 1, wherein the

client-side information includes a priority of a set of data targeted by the client request.

7. The information system of claim 1, wherein the
5 client-side information includes a hint on where a set of data targeted by the client request may be stored.

8. The information system of claim 1, wherein the
10 client-side information includes a cost indication with the client request.

9. The information system of claim 1, wherein the client-side information includes a computational
15 intensity associated with the client request.

10. The information system of claim 1, wherein the client-side information includes a set of samples from sensors in an environment of a client that
20 originated the client request.

11. The information system of claim 1, wherein the client-side information includes an indication of hardware capabilities of a client that originated the
25 client request.

12. The information system of claim 1, wherein the client-side information includes an indication of a type of application that generated the client
30 request.

13. The information system of claim 1, wherein the client-side information includes an indication of a

location of a client that originated the client request.

14. The information system of claim 1, wherein the
5 client-side information includes a cookie that is stored in a client that originated the client request.

15. The information system of claim 1, wherein the
10 transaction director assigns the client request to the access subsystems in response to the client-side information and a rank associated with each access subsystem.

15 16. A method for directing a client request in an information system by assigning the client request to an access subsystem in the information system in response to a set of client-side information associated with the client request.

20 17. The method of claim 16, wherein the client-side information includes a set of information pertaining to a client that generated the client request.

25 18. The method of claim 16, wherein the client-side information includes a set of information pertaining to a user that caused the client request.

30 19. The method of claim 16, wherein the client-side information includes information pertaining to a history of prior interactions with the information system.

20. The method of claim 16, wherein the client-side information includes a potential frequency of client requests from a client that generated the client request.

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21. The method of claim 16, wherein the client-side information includes a priority of a set of data targeted by the client request.

10 22. The method of claim 16, wherein the client-side information includes a hint on where a set of data targeted by the client request may be stored.

15 23. The method of claim 16, wherein the client-side information includes a cost indication with the client request.

20 24. The method of claim 16, wherein the client-side information includes a computational intensity associated with the client request.

25 25. The method of claim 16, wherein the client-side information includes a set of samples from sensors in an environment of a client that originated the client request.

30 26. The method of claim 16, wherein the client-side information includes an indication of hardware capabilities of a client that originated the client request.

27. The method of claim 16, wherein the client-side information includes an indication of a type of

application that generated the client request.

28. The method of claim 16, wherein the client-side information includes an indication of a location of a
5 client that originated the client request.

29. The method of claim 16, wherein the client-side information includes a cookie that is stored in a client that originated the client request.

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30. The method of claim 16, wherein the step of assigning includes the step of assigning the client request to the access subsystems in response to the client-side information and a rank associated with
15 each access subsystem.